

ENGINEERING EXPERIENCE (VIRTUAL)

Ignite your potential and learn more about the exciting world of engineering. Developed by The Smallpeice Trust, this course invites students aged 12-14 to imagine the world of tomorrow in the company of other likeminded students who share similar interests.

During the course, students will learn about the following:

Cyber Security - learn about the basic principles of cyphers, encryption and cyber safety. Through fun puzzles and videos, students will discover the importance of strong passwords, online research, and privacy.

Electrical Engineering - students will design and build a lunar rover, learning about solar power and super capacitors. After construction, students test their rover in various conditions to optimise its performance.

Space Engineering - students will program an online rover for a mineral-collecting mission on an alien planet. Using a block-based app, they will learn to control the rover's movements and sensors and progress through a series of challenges.

If you have previously attended an Engineering Experience course you may have already completed some of the modules above, please evaluate whether this program offers a suitable learning experience. If you are unsure, please contact info@smallpeicetrust.org.uk

This event includes the following:

- Learn about three unique engineering sectors
- Design and build prototypes using a range of materials
- Creatively solve practical problems using lateral thinking
- Explore a range of career pathways that could take you around the world
- Develop teamwork, problem-solving and critical thinking skills



WHEN

18 Feb - 21 Feb 2025
Start time: 10:00 hrs
Finish time: 13:00 hrs



WHERE

Virtual



COST

£125*

* If cost is a barrier please see our FAQ for more details.

[Book this course](#)